

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 50277-1776	SERIAL NO. 10/092,047
		APPLICANT: Sashikanth Chandrasekaran, et al.	
		FILING DATE: March 4, 2002	GROUP: 2172 2162

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
<i>[Signature]</i>		Written Opinion from PCT Patent Application No. PCT/US02/06981 dated October 3, 2004(8 pgs.)	
<i>[Signature]</i>		Current Claims in PCT Patent Application No. PCT/US02/06981 (8 pgs.)	
<i>[Signature]</i>		Office Action from Canadian Patent Application No. 2,448,050 dated October 1, 2004 (2 pgs)	
<i>[Signature]</i>		Current Claims in Canadian Patent Application No. 2, 448,050 (48 pgs)	

Examiner Signature <i>[Signature]</i>	Date Considered 3/2/05
---	----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. 50277-1776	SERIAL NO. 10/092,047
	APPLICANT: Sashikanth Chandrasekaran, et al.	
	FILING DATE: March 4, 2002	GROUP: 2172 2162

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
<i>[Signature]</i>		5,659,682		Devarakonda et al.	08-19-1997	395/184.01
<i>[Signature]</i>		5,933,849		Srblic et al.	08-03-1999	711/118
<i>[Signature]</i>		5,999,940		Ranger	12-07-1999	707/103
<i>[Signature]</i>		6,012,085		Yohe et al.	01-04-2000	709/217
<i>[Signature]</i>		6,032,188		Mairs et al.	02-29-2000	709/234
<i>[Signature]</i>		6,115,715		Traversat et al.	09-05-2000	707/100
<i>[Signature]</i>		6,243,814	B1	Matena	06-05-2001	713/200
<i>[Signature]</i>		6,453,356	B1	Sheard et al.	09-17-2002	709/231
<i>[Signature]</i>		6,832,120	B1	Frank et al.	12-14-2004	700/65

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant. Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
<i>[Signature]</i>		Norvag, Kjetil, "Issues in transaction-time temporal object database systems", Oct-Dec 2001, Journal of Database Management v12, n4, pages 40-51.	

Examiner Signature <i>[Signature]</i>	Date Considered 3/2/05
---	----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

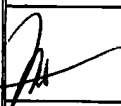

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. 50277-1776	SERIAL NO. 09/092,047
	APPLICANT: Sashikanth Chandrasekaran, et al.	
	FILING DATE: March 4, 2001	GROUP: 2177 2162

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		Office Action from European Patent Application No. 01968979.3-2212, dated August 6, 2004 (3 pgs.).	
		Current Claims in European Patent Application No. 01968979.3-2212 (3 pgs.).	

Examiner Signature		Date Considered	3/2/05
--------------------	---	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)				ATTY. DOCKET NO. 50277-1776		SERIAL NO. 10/092,047	
				APPLICANT: Sashikanth Chandrasekaran et al.			
				FILING DATE: March 4, 2002		GROUP: 2172	

O I P E N
 SEP 23 2004
 PATENT OFFICE

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		5,285,528		Hart	02-08-1994	
		5,454,108		Devarakonda et al.	09-26-1995	
		6,353,836	B1	Bamford et al.	03-05-2002	
		6,668,295	B1	Chan	12-23-2003	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²

Examiner Signature		Date Considered	3/2/05
--------------------	--	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)				ATTY. DOCKET NO. 50277-1776		SERIAL NO. NYA	
				APPLICANT Sashikanth Chandrasekaran, et al.			
				FILING DATE March __, 2002		GROUP NYA 2162	

10/09/2007
 103/04/02
 103/04/02




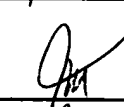
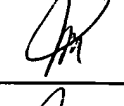
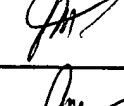
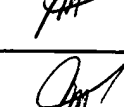


U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>[Signature]</i>	5,193,162	3/9/93	Bordsen, et al.	711	152	11/6/89
<i>[Signature]</i>	5,276,835	1/4/94	Mohan et al.	711	144	12/14/90
<i>[Signature]</i>	5,276,848	1/4/94	Gallagher et al.	711	121	8/20/91
<i>[Signature]</i>	5,280,611	1/18/94	Mohan et al.	707	8	11/8/91
<i>[Signature]</i>	5,287,473	2/15/94	Mohan et al.	711	133	12/14/90
<i>[Signature]</i>	5,327,556	7/5/94	Mohan et al.	707	8	5/11/93
<i>[Signature]</i>	5,903,910	5/11/99	Tran et al.	711	132	11/20/95
<i>[Signature]</i>	5,924,096	7/13/99	Draper et al.	707	10	10/15/97
<i>[Signature]</i>	5,966,706	10/12/99	Billiris et al.	707	10	2/19/97
<i>[Signature]</i>	5,987,477	11/16/99	Schmuck et al.	707	201	7/11/97
<i>[Signature]</i>	6,052,758	4/18/00	Crockett et al.	711	113	12/22/97
<i>[Signature]</i>	6,085,198	7/4/00	Skinner et al.	707	101	6/5/98

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<i>[Signature]</i>	EP0750260A2	6/13/96	Europe				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
<i>[Signature]</i>	Abstracts of Some of C. Mohan's Papers and Patents, Updated on 13 June 2001, www.almaden.ibm.com/u/mohan/aries_papers.html , (Pgs. 1-38), accessed July 24, 2001.
<i>[Signature]</i>	Research Report #91A002286 entitled "Recovery and Coherency-Control Products for Fast Intersystem Page Transfer and Fine-Granularity Locking in a Shared Disks Transaction Environment", C. Mohan and Inderpal Narang, Data Base Technology Institute, IBM Almaden Research Center, March 15, 1991 (31pgs).
<i>[Signature]</i>	Recovery and Coherency-Control Protocols for Fast Intersystem Page Transfer and Fine-Granularity Locking in a Shared Disks Transaction Environment, C. Mohan and Inderpal Narang, Proceedings of the 17 th International Conference on Very Large Data Bases, Barcelona, September, 1991 (Pgs. 193-207).

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>3/2/05</i>
--------------------------------	----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)				ATTY. DOCKET NO. 50277-1725		SERIAL NO. NYA 10/092,047			
				APPLICANT Sashikanth Chandrasekaran, et al.				10/092047 03/04/02	
				FILING DATE March __, 2002		GROUP NYA 2162			
U.S. PATENT DOCUMENTS									
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
FOREIGN PATENT DOCUMENTS									
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation			
						Yes	No		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
	Intersystem Page Transfer and Fine-Granularity Locking in a Shared Disks Transaction Environment", C. Mohan and Inderpal Narang, Data Base Technology Institute, IBM Almaden Research Center, March 15, 1991 (31pgs).								
	C. Mohan, et al., "A Case Study of Problems in Migrating to Distributed Computing: Data Base Recovery Using Multiple Logs in the Shared Disks Environment", IBM Research Report RJ7343, Database Technology Institute, IBM Almaden Research Center, March 1990, 20 pages.								
	C. Mohan, et al., "Solutions to Hot Spot Problems in a Shared Disks Transaction Environment", IBM Research Report RJ8281, Data Base Technology Institute, IBM Almaden Research Center, August 1991, 25 pages.								
	Mohan, C., et al., "Efficient Locking and Caching of Data in the Multisystem Shared Disks Transaction Environment", Proc. 3 rd International Conference on Extending Database Technology, Vienna, March 1992, pp. 453-468.								
	C. Mohan, et al., "Efficient Locking and Caching of Data in the Multisystem Shared Disks Transaction Environment", Data Base Technology Institute, IBM Almaden Research Center, RJ 8301, August 1991, 20 pages.								
	C. Mohan, et al., "Data Base Recovery in Shared Disks and Client-Server Architectures", Proc. 12 th International Conference on Distributed Computing Systems, Yokohama, June 1992, pp. 310-317.								
	C. Mohan, et al., "Data Base Recovery in Shared Disks and Client-Server Architectures", IBM Research Report RJ8685, Data Base Technology Institute, IBM Almaden Research Center, March 1992, 20 pages.								
	J. W. Josten, et al., "DB2's Use of the Coupling Facility for Data Sharing", IBM Systems Journal, Volume 36, Number 2, 1997, 25 pages.								
EXAMINER 				DATE CONSIDERED 3/2/05					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. 50277-1776	SERIAL NO. 10/092,047
	APPLICANT: Sashikanth Chandrasekaran, et al.	
	FILING DATE: March 4, 2002	GROUP: 2177 2162

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
<i>[Signature]</i>		5,297,269		Donaldson et al.	08-22-1994	
<i>[Signature]</i>		5,680,576		Laudon	10-21-1997	
<i>[Signature]</i>		5,829,032		Komuro et al.	10-27-1998	
<i>[Signature]</i>		5,832,516		Bamford et al.	11-03-1998	
<i>[Signature]</i>		6,092,157		Suzuki	07-18-2000	
<i>[Signature]</i>		6,151,607		Lomet	11-21-2000	
<i>[Signature]</i>		6,154,811		Srblic et al.	11-28-2000	
<i>[Signature]</i>		6,256,712	B1	Challenger et al.	07-03-2001	
<i>[Signature]</i>		6,279,084	B1	VanDoren et al.	08-21-2001	
<i>[Signature]</i>		6,353,836	B1	Bamford et al.	03-05-2002	

FOREIGN PATENT DOCUMENTS							
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (If known)			
<i>[Signature]</i>		EPO	0 471 282	A2	Hewlett-Packard Company	02-19-1992	
<i>[Signature]</i>		EPO	0 657 813	A1	International Business Machines Corporation	06-14-1995	

Examiner Signature <i>[Signature]</i>	Date Considered 3/2/05
---	----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (Use as many sheets as necessary)	Attorney Docket No.: 50277-1776	Application Number: 10/092,047
OCT 07 2002 PATENT & TRADEMARK OFFICE	First Named Inventor: Sashikanth Chandrasekaran	
Filing Date: March 4, 2002		

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
<i>JA</i>		Rana Ejaz Ahmed, et al., "Cache-Aided Rollback Error Recovery (CARER) Algorithms for Shared-Memory Multiprocessor Systems," 1990, IEEE, pp. 82-88.	
<i>JA</i>		Anne-Marie Kermarrec, et al., "A Recoverable Distributed Shared Memory Integrating Coherence and Recoverability," June 27, 1995, IEEE, XP 000597800, pp. 289-298.	
<i>JA</i>		Michael J. Feeley, et al., "Implementing Global Memory Mangement in a Workstation Cluster," SIGOPS '95, 12/95, XP 000584826, pp. 201-212.	

RECEIVED
 OCT 09 2002
 Technology Center 2100

Examiner Signature <i>Jan</i>	Date Considered 3/2/05
----------------------------------	---------------------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 50277-1776	Application Number: 10/092,047
---	------------------------------------	-----------------------------------

First Named Inventor:
Sashikanth Chandrasekaran

Filing Date:
March 4, 2002

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
<i>JS</i>		IBM Corporation, "Memory Queue Priority Mechanism for a RISC Processor," IBM Technical Disclosure Bulletin, Vol. 37, No. 06A, June 1994, XP 000455787, pp. 319-321.	
<i>JS</i>		Stefanos Kaxiras, et al., "Improving CC-NUMA Performance Using Instruction-Based Prediction," 1999, IEEE, pp. 161-170.	
<i>JS</i>		Alan L. Cox, et al., "Adaptive Cache Coherency for Detecting Migratory Shared Data," 1993, IEEE, pp. 98-108.	

RECEIVED

OCT 22 2003

Technology Center 2100

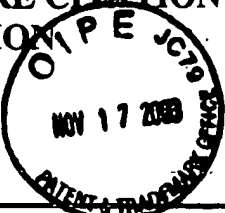
Examiner Signature <i>John Corcoran</i>	Date Considered <i>3/2/05</i>
---	----------------------------------

*Examiner: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 50277-1776		SERIAL NO. 10/092,047	
		APPLICANT: Sashikanth Chandrasekaran, et al.			
		FILING DATE: March 4, 2002		GROUP: 2177 2162	



U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		6,633,891	B1	Roger Bamford, et al.	10-14-2003	


RECEIVED

NOV 19 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²

Examiner Signature 	Date Considered 3/2/05
--	----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

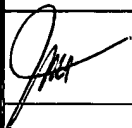
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.


INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)				ATTY. DOCKET NO. 50277-1776		SERIAL NO. 10/092,047	
				APPLICANT: Sashikanth Chandrasekaran, et al.			
				FILING DATE: March 4, 2002		GROUP: 2177 2/62	

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

RECEIVED
 MAY 20 2004
 Technology Center 2100

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		Michael Donald Dahlin, "Serverless Network File Systems," 1995, pp. 1-166.	

Examiner Signature 	Date Considered 3/2/05
--	----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 50277-1776		SERIAL NO. 10/092,047	
		APPLICANT: Sashikanth Chandrasekaran, et al.			
		FILING DATE: March 4, 2002		GROUP: 2177 2162	

OIP
 JUL 19 2004
 PATENT & TRADEMARK OFFICE

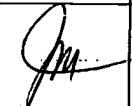
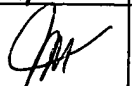
U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

RECEIVED

JUL 20 2004

Technology Center 2100

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		Lory D. Molesky et al., "Database Locking Protocols for Large-Scale Cache-Coherent Shared Memory Multiprocessors: Design, Implementation and Performance," June 6, 1995, pp. 1-24.	
		Lory D. Molesky et al., "Efficient Locking for Shared Memory Database Systems," March 1994, 28 pages.	

Examiner Signature		Date Considered	3-2-05
--------------------	---	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 50277-1776		SERIAL NO. 10/092,047	
		APPLICANT: Sashikanth Chandrasekaran, et al.			
		FILING DATE: March 4, 2002		GROUP: 2172 2162	

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		Written Opinion from PCT Patent Application No. PCT/US02/06981 dated October 3, 2004(8 pgs.)	
		Current Claims in PCT Patent Application No. PCT/US02/06981 (8 pgs.)	
		Office Action from Canadian Patent Application No. 2,448,050 dated October 1, 2004 (2 pgs)	
		Current Claims in Canadian Patent Application No. 2, 448,050 (48 pgs)	

Examiner Signature 	Date Considered 3-2-05
-------------------------------	----------------------------------

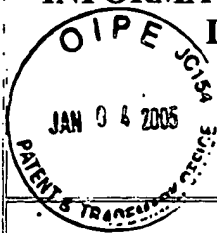
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)



ATTY. DOCKET NO.
50277-1776

SERIAL NO.
10/092,047

APPLICANT:
Sashikanth Chandrasekaran, et al.

FILING DATE:
March 4, 2002

GROUP:
2172 2162

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
<i>JA</i>		2004/0225742	A1	Loaiza, et al	11/11/2004	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²

Examiner Signature	<i>Jan ...</i>	Date Considered	3-2-05
--------------------	----------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.